

Mansfield Middle School

**7<sup>TH</sup> GRADE  
MATHEMATICS**

Mr. Jones and Ms. Poller

# We Learn...

- 10% of what we read
- 20% of what we hear
- 30% of what we see
- 50% of what we see and hear
- 70% of what we discuss
- 80% of what we experience
- 95% of what we teach others
  - Psychiatrist William Glasser

# Our Mathematics Program

- CPM is College Preparatory Math
- CPM uses a team approach to teaching math
- Students work together to solve more complex problems or complete larger tasks
- Students help each other learn
- Teachers help students work past learning blocks, work together well, etc.
- Teachers monitor and assess progress
- Teachers use multi-sensory activities to introduce new concepts


# Units of Study – CPM Core Connections 2

- Introduction and Probability
- Fractions and Integer Addition
- Arithmetic Properties
- Proportions and Expressions
- Probability and Solving Word Problems
- Solving Inequalities and Equations
- Proportions and Percents
- Statistics and Angle Relationships
- Circles and Volume

# Teamwork

- Students do much of their class work cooperatively
- These conditions are similar to a study group, and are also similar to most professional employment situations
- Students learn to think critically, explain their thinking, and ask peers for help
- Teachers help students to feel comfortable discussing and sharing ideas

# Simple Sample!

- Think, Ink, Pair and Share
- Thu wants to play “Guess My Number.” She states:
  - *“When I triple my number and add five, I get twenty-six. What is my number?”*
- What is her number? Show how you know.
- Homework Help 

# E-Book

- Students in Core Connections 2 have all been given a URL, login name and password to use a full internet-based electronic textbook at any time
- The e-book shows homework help buttons with each homework problem
- The e-book has built-in highlighted glossary links with definitions for new terms

# CPM Website

© <http://www.cpm.org>



# Helpful Resources:

- Homework Help

- <http://www.cpm.org/students/homework/>

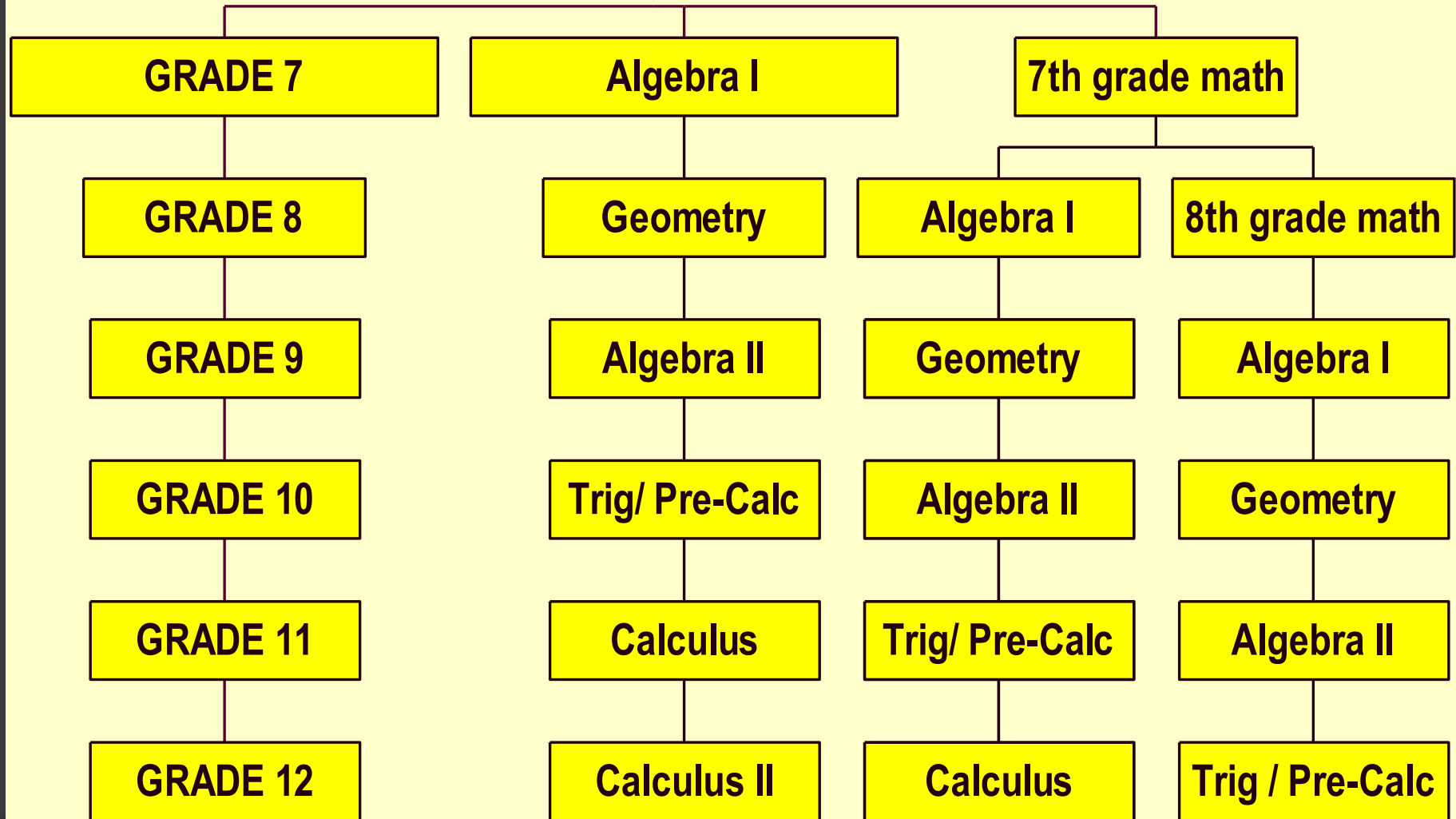
- Extra Practice

- [http://www.cpm.org/pdfs/skillBuilders/CC/CC\\_Extra\\_Practice\\_FULL.pdf](http://www.cpm.org/pdfs/skillBuilders/CC/CC_Extra_Practice_FULL.pdf)

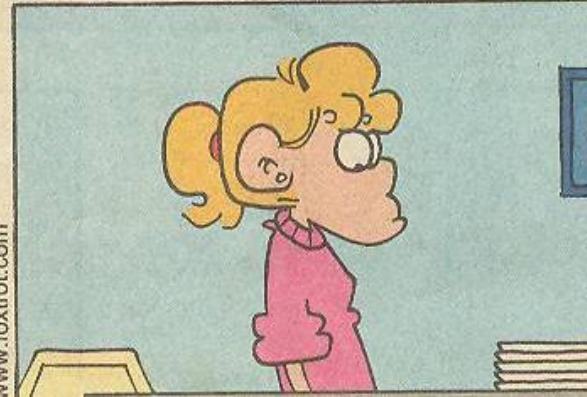
# Common Core State Standards

- CCSS homepage
  - <http://www.corestandards.org/the-standards>
- Math Standards
  - [http://www.corestandards.org/assets/CCSSI\\_Math%20Standards.pdf](http://www.corestandards.org/assets/CCSSI_Math%20Standards.pdf)
- CPM Core Connections 2 Mathematical Practices
  - [http://www.cpm.org/pdfs/standards/CCSS/CCSS\\_CC2\\_Mathematical\\_Practice.pdf](http://www.cpm.org/pdfs/standards/CCSS/CCSS_CC2_Mathematical_Practice.pdf)
- Correlation of CPM *Core Connections: Course 2* to CCSS Grade 7 Standards
  - <http://www.cpm.org/pdfs/standards/CCSS/CC2%20Text%20to%20CCSS%20Standards%20Grade%207.pdf>

# Paths of Math Study



# FOXTROT / by Bill Amend



- How big is Peter's slice?
- How big are the other four slices?